BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 10.00lakhs

Name of Work:-Maintenance of BBMP Office buildings in ward no:04.

SN	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1 PW, P & IWTD -SR 2014-15)	Cum							
	Desilting of drains		2	1000.00	0.50	0.35	350.00		
	BBMP Office L/Side of compound wall		1	20.00	0.75	0.60	9.00		
	Culverts		2	7.50	1.80	0.85	22.95		
	CC Drain		2	50.00	1.00	0.75	75.00		
							456.95	144.16	65874.00
	Basic Rate	136.00							
	Area Weightage @ 6%	8.16							
	Total	144.16							
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15	Cum							
	Compound wall		1	20.00	0.75	0.15	2.25		
	Culverts		2	7.50	1.80	0.15	4.05		
	CC Drain		2	50.00	1.00	0.15	15.00		
							21.30	4757.28	101330.00

	Basic Rate	4488.00							
	Area Weightage @ 6%	269.28							
	Total	4757.28							
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/I.5.6 PW, P & IWTD -SR 2014-15)	Cum							
	Compound wall for 1st footing		1	20.00	0.60	0.50	6.00		
	Culverts		2	7.50	0.50	0.70	5.25		
							11.25		
	(-)Vertical poles		5	0.50	0.50	0.25	0.31		
							10.94	3765.12	41181.00
	Basic Rate	3552.00							
	Area Weightage @ 6%	213.12							
	Total	3765.12							
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/I.5.9 PW, P & IWTD -SR 2014-15)	Cum							
	Compound wall		1	20.00	0.45	0.35	3.15		
	(-)Vertical poles		5	0.50	0.50	0.25	0.31		
							2.84	4458.36	12651.00
	Basic Rate	4206.00							
	Area Weightage @ 6%	252.36							
	Total	4458.36							
5	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.97/I.15.3 PW, P & IWTD SR 2014-15)	Sqm							

	Compound wall		2	20.00		0.35	14.00		
	Culverts		2	0.50		0.35	0.35		
							14.35	91.16	1308.15
	Basic Rate	86.00							
	Area Weightage @ 6%	5.16							
	Total	91.16							
6	KSRRB 4.1:6Providing and laying in position plain **cement concrete mix 1:2:4** with cement @240kgs,with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications.Specification no4.1,4.2 **(Page.12 & Item No. 4.6)**	Cum							
	Compound wall		1	20.00	0.45	0.10	0.90		
	Vertical poles		12	0.50	0.50	0.60	1.80		
	Culvert coping		4	7.50	0.50	0.10	1.50		
	Vent		2	7.50	0.60	0.10	0.90		
	Approach concrete		4	7.50	0.60	0.15	2.70		
							7.80	5228.98	40786.00
	Basic Rate	4933.00							
	Area Weightage @ 6%	295.98							
	Total	5228.98							
7	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11)	Cum							
	For deck slab		2	7.50	1.80	0.23	6.21		
	Drain bottom		1	50.00	0.90	0.15	6.75		
	Side walls		2	50.00	0.15	0.80	12.00		
							24.96	6065.28	151389.00
	Basic rate	5616.00							
	Add 8% AW	449.28							
	Total	6065.28							

8	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr2014-15,p.no17,s.no4.46)	Qtl							
	90 kg / cum						22.46	7905.60	177591.00
	Basic rate	7320.00							
	Add 8% AW	585.60							
	Total	7905.60							
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecificationS.Specification no.KBS 4.6.2(pwd sr2014-15,p.no15/4.31)	Sqm							
	Deck slab		2	7.50	0.60		9.00		
	Drain side walls		4	50.00		0.80	160.00		
	Basic rate	271.00					169.00	292.68	49463.00
	Add 8% AW	21.68							
	Total	292.68							
10	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (P.6/I.2.10 PW, P & IWTD 2014-15	Cum							
			Qty Vide Item No.1				456.95	116.60	53280.00
	Basic Rate	110.00							
	Area Weightage @ 6%	6.60							
	Total	116.60							

11	Supplying and fixing **M.S. Rectangular Poles** made but of 2 equal angles of 65 x 65 x 6 mm welded together and fixed inCC (1:2:4) with 2 Nos. 16 mm dia M. S. hold fast rods each of length 25 cms, including cost of all materials, cutting, bending scafolding (p.no252/37.2,pwd sr2014-15)	**Rmtr**							
			12			2.40	28.80		
							28.80	**1093.92**	**31504.90**
	Basic Rate	1032.00							
	Area Weightage @ 6%	61.92							
	Total	**1093.92**							
12	**Providing chain link fencing 50mm** size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, la(p.no252/37.3,pwd sr2014-15)	**Sqm**							
	Office side damaged portioned		1	20.00		1.50	30.00		
		632.00					**30.00**	**563.92**	**16917.60**
	Basic Rate	532.00							
	Area Weightage @ 6%	31.92							
	Total	**563.92**							
13	**Providing and fixing M.S. Block pipe of 38mm dia**, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe includin(p.no252/37.4,pwd sr2014-15)	**Rmtr**							
			2	20.00			40.00		
	Basic Rate	299.00					**40.00**	**316.94**	**12677.60**
	Area Weightage @ 6%	17.94							
	Total	**316.94**							

14	KSRB 7.1: Providing and fixing inposition collapsable steelshutters withsingleordoubleleafwithverticalchannel20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stopers, handles on borht sides with 7.5cms opeinings at 10cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications.(P31/7.1)	Sqm							
	CG		1	2.40		2.40	5.76		
							5.76	4581.32	26388.40
	Basic Rate	4322.00							
	Area Weightage @ 6%	259.32							
	Total	4581.32							
15	KSRB 7.9: Providing and fixing M.S. Grill work for windows and ventilators weighing 21kg/sqm using M.S Flats or M.S. Square roads, or combination of M.S. flats and quare roads as per approved design drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12	Kg's							
	Office Back side Gate		1	10.00		1.50	15.00		
							15.00		
							315.00	98.58	31052.70
	Basic Rate	93.00							
	Area Weightage @ 6%	5.58							
	Total	98.58							

16	KSRB 15-16.1: providing and finishing external walls in two coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **PWD SR 2014-15 (P.102/15.53)**	Sqm								
	A)Ground floor:- For front		2	5.20		3.85	40.04		
	Sides		2	5.40		3.85	41.58		
			2	7.10		3.85	54.67		
			2	5.40		3.85	41.58		
	Back side		2	5.40		3.85	41.58		
			1	5.20		3.85	20.02		
	Circuler pillars		2	1.50		3.00	9.00		
			2	1.05		2.70	5.67		
	Portica		2	5.10		0.60	6.12		
			1	5.70		0.60	3.42		
	Front windows alround sides		2	1.65		0.45	1.49		
			2	1.80		0.45	1.62		
			2	1.20		0.45	1.08		
			2	1.35		0.45	1.22		
			2	1.65		0.20	0.66		
			2	1.35		0.20	0.54		
							270.28		
	Deductions for openings:-								
	W		8	2.40		1.80	34.56		
	W1		1	2.10		1.80	3.78		
	W2		1	1.80		1.80	3.24		
	W3		2	1.20		1.35	3.24		
	W4		1	0.90		1.80	1.62		
	V		1	1.80		0.60	1.08		
			1	0.90		1.80	1.62		
							49.14		
						Net quantity	**221.14**	**57.24**	**12658.05**
	Basic Rate	54.00							
	Area Weightage @ 6%	3.24							
	Total	57.24							
	B)First floor:- For front		2	5.20		3.15	32.76		
	Sides		2	5.40		3.15	34.02		
			2	7.10		3.15	44.73		
			2	5.40		3.15	34.02		
	Back side		2	5.40		3.15	34.02		
			1	5.20		3.15	16.38		

	Circuler pillars		2	1.50		3.00	9.00		
			2	1.05		3.00	6.30		
	Portica		2	5.10		1.00	10.20		
			1	5.70		1.00	5.70		
	Inside of portica parapet walls		2	4.90		0.80	7.84		
			2	5.50		0.80	8.80		
	Roof beams		2	4.90		0.65	6.37		
			1	5.30		0.65	3.45		
	Front windows alround sides		2	1.65		0.45	1.49		
			2	1.80		0.45	1.62		
			2	1.20		0.45	1.08		
			2	1.35		0.45	1.22		
			2	1.65		0.20	0.66		
			2	1.35		0.20	0.54		
							260.19		
	Deductions for openings:-								
	W		8	2.40		1.80	34.56		
	W1		1	2.10		1.80	3.78		
	W2		1	1.80		1.80	3.24		
	W3		2	1.20		1.35	3.24		
	W4		1	0.90		1.80	1.62		
	V		1	1.80		0.60	1.08		
			1	0.90		1.80	1.62		
							49.14		
						Net quantity	**211.05**	**60.24**	**12713.35**
	Basic Rate	54.00							
	Area Weightage @ 6%	3.24							
	Total	57.24							
	Lift charges	3.00							
	Total RS	60.24							
	C)Third floor:- For front		2	5.20		4.20	43.68		
	Sides		2	5.40		4.20	45.36		
	Projection of roof top		1	5.40		1.00	5.40		
			2	5.40		0.65	7.02		
			1	5.40		0.90	4.86		
			2	5.40		0.50	5.40		
	Beams		2	1.50		0.60	1.80		
			2	1.50		0.20	0.60		
	Out side of parapet wall		1	7.10		1.00	7.10		
			1	0.40		1.00	0.40		
			1	5.40		1.00	5.40		
			1	5.40		1.00	5.40		
			1	0.40		1.00	0.40		
			1	5.40		1.00	5.40		
	Inside of parapet wall		2	7.30		1.00	14.60		
			2	0.45		1.00	0.90		

			1	5.05		1.00	5.05		
			1	4.95		1.00	4.95		
			1	0.45		1.00	0.45		
			1	5.40		1.00	5.40		
	Projection roof top of out side		1	4.85	1.00		4.85		
			1	5.40		0.65	3.51		
	Inside		1	4.85	1.00		4.85		
			1	5.40		0.65	3.51		
	Store room front		1	5.25		4.20	22.05		
	Back		1	5.65		4.20	23.73		
	Sides		2	5.00		4.20	42.00		
	Store room sides		1	0.40		4.20	1.68		
			2	0.40		4.20	3.36		
			1	0.20		4.20	0.84		
	Toilet Front		1	1.50		2.40	3.60		
	Back		1	1.50		3.00	4.50		
	Parapet inside		2	5.00		0.90	9.00		
			2	5.00		0.90	9.00		
	Out side		1	5.70		1.00	5.70		
			1	0.40		1.00	0.40		
			1	5.40		1.00	5.40		
			1	5.20		1.00	5.20		
			2	5.10		1.00	10.20		
			1	5.70		1.00	5.70		
	Center of open out side		2	3.70		1.00	7.40		
			2	2.15		1.00	4.30		
	Inside		2	3.70		1.20	8.88		
			2	2.15		1.20	5.16		
	Dummy columns		4	0.60		1.00	2.40		
			4	0.20		1.00	0.80		
	Inside of parapet wall		1	5.90		1.00	5.90		
			1	0.40		1.00	0.40		
			1	4.95		1.00	4.95		
			1	5.05		1.00	5.05		
			2	5.60		1.00	11.20		
			1	5.40		1.00	5.40		
							400.49		
	Deductions for openings:-								
	Toilet Door		1	0.90		2.70	2.43		
	Store room Door		1	0.90		2.70	2.43		
	Staire case room Door		1	0.90		2.70	2.43		
	W		2	2.40		1.80	8.64		
	W1		1	2.10		1.80	3.78		
	W3		2	1.20		1.35	3.24		
	V		1	0.90		1.80	1.62		
							24.57		
						Net quantity	**375.92**	**63.24**	**23773.18**

	Basic Rate	54.00							
	Area Weightage @ 6%	3.24							
	Total	57.24							
	Lift charges	6.00							
	Total RS	63.24							
17	KSRB 15-17.6Providing and Applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, clening the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (P No. 102 Item No.15.60.1 PWD SR 2014-15)	Sqm							
	A)Ground floor:-W	2.25	8	2.40		1.80	77.76		
	W1	2.25	1	2.10		1.80	8.51		
	W2	2.25	1	1.80		1.80	7.29		
	W3	2.25	2	1.20		1.35	7.29		
	W4	2.25	1	0.90		1.80	3.65		
	V	2.25	1	1.80		0.60	2.43		
		2.25	1	0.90		1.80	3.65		
	CG	2.25	1	2.70		2.70	16.40		
	Fencing work		2	20.00		1.50	60.00		
							186.97	82.68	15458.47
	Basic Rate	78.00							
	Area Weightage @ 6%	4.68							
	Total	82.68							
	B)First floor:-W	2.25	8	2.40		1.80	77.76		
	W1	2.25	1	2.10		1.80	8.51		
	W2	2.25	1	1.80		1.80	7.29		
	W3	2.25	2	1.20		1.35	7.29		
	W4	2.25	1	0.90		1.80	3.65		
	V	2.25	1	1.80		0.60	2.43		
		2.25	1	0.90		1.80	3.65		
							110.57	85.68	9473.21
	Basic Rate	78.00							
	Area Weightage @ 6%	4.68							
	Total	82.68							
	Lift charges	3.00							
		85.68							
	C)Second floor Toilet Door:-	2.25	1	0.90		2.70	5.47		
	Store room Door	2.25	1	0.90		2.70	5.47		
	Staire case room Door	2.25	1	0.90		2.70	5.47		
	W	2.25	2	2.40		1.80	19.44		

	W1	2.25	1	2.10		1.80	8.51		
	W3	2.25	2	1.20		1.35	7.29		
	V	2.25	1	0.90		1.80	3.65		
							55.28	88.68	4902.45
	Basic Rate	78.00							
	Area Weightage @ 6%	4.68							
	Total	82.68							
	Lift charges	6.00							
		88.68							
18	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	Drain covering slabs		1	50.00	0.90		45.00		
							45.00	1245.00	56025.00
19	UPS Batery&Acessaries charges	L/S							50000.00
20	Miscellaneous charges	L/S							1601.94
								Total RS	**1000000.00**
(Rupees Ten lakhs only)									

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 04

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

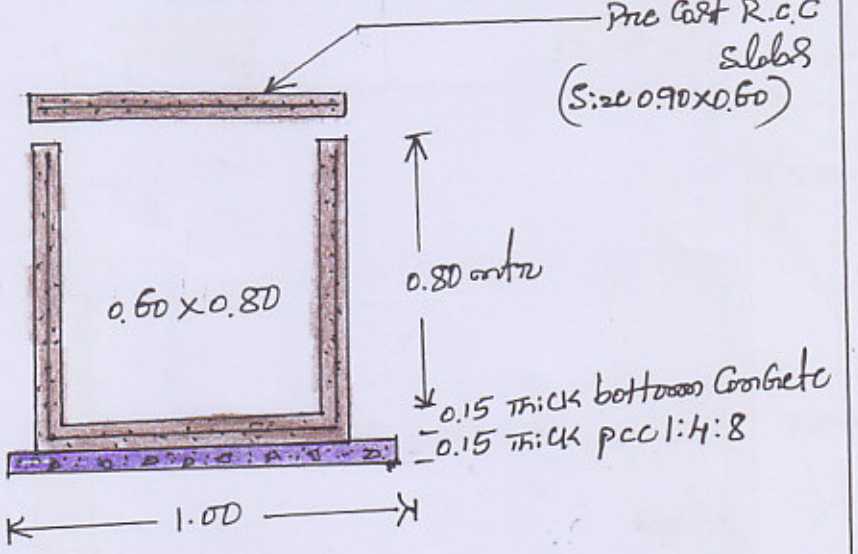
Administrative Sanction for Rs. 10.00 Lakhs
Ten Lakhs only
is accorded under head P-1771
2014-15
Registered as CE No. ..... Subject
to conditions contained in enclosed memo
No. CE/YNC/AA/47/14-15 Dt. 27-10-14

Executive Engineer

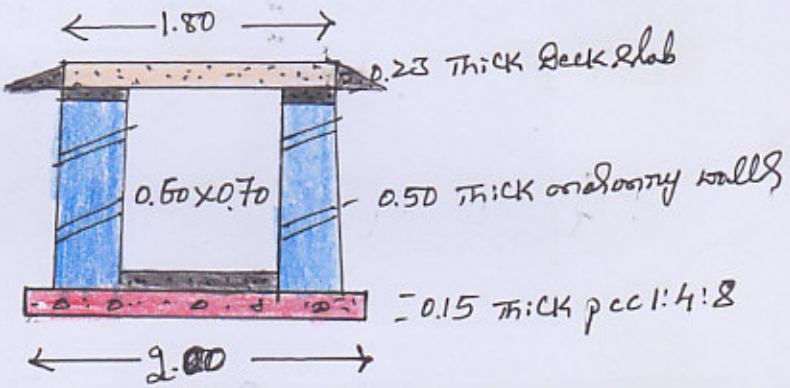
TECHNICALLY SANCTIONED FOR Rs 10.00 Lakhs
Rupees Ten Lakhs only
Under P-1771-2014-15
Registered as CE ( ) No. 99
Subject to conditions contained in
enclosed memo CE ( ) No. ..... /9/
Dt. ..... Estimate A/ Sanctioned
CE/YNC/TS/97/14-15 No. .....
Dated 28-10-14 Rs. 10.00 Lakhs

Executive Engineer

Name of work:- Maintenance of office buildings in ward -No-04



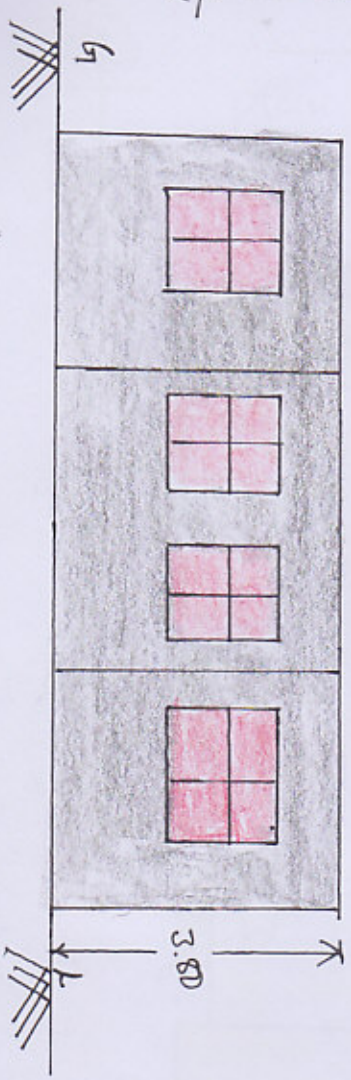
CROSS SECTION OF R.C.C DRAIN

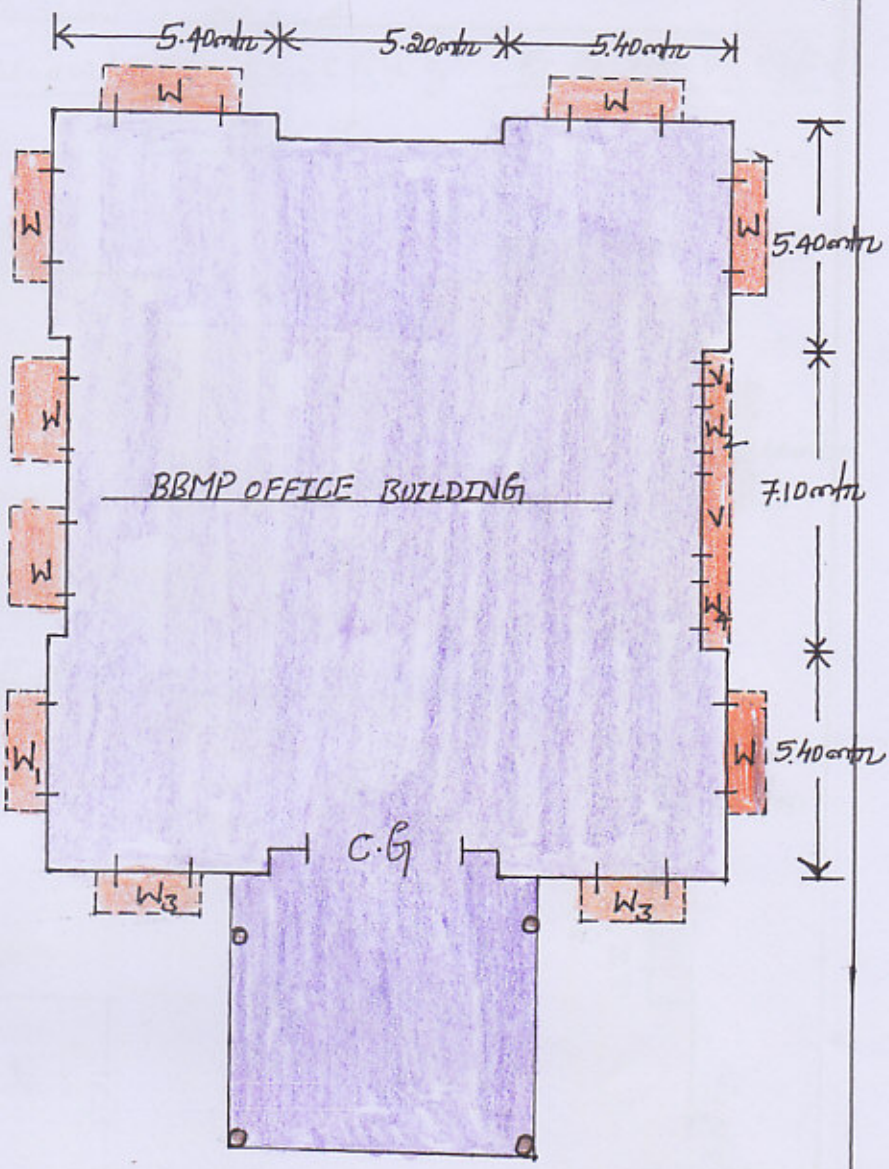


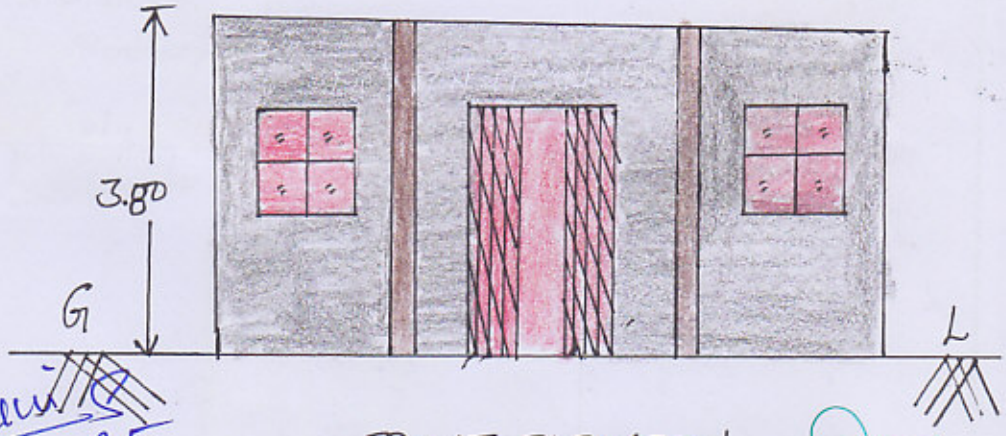
CROSS SECTION OF CULVERT

K. M. Hallur
AE

Name of work:- Maintenance of BBMP office buildings in ward no-04.
(plan showing existing BBMP office behind R.T.O office)







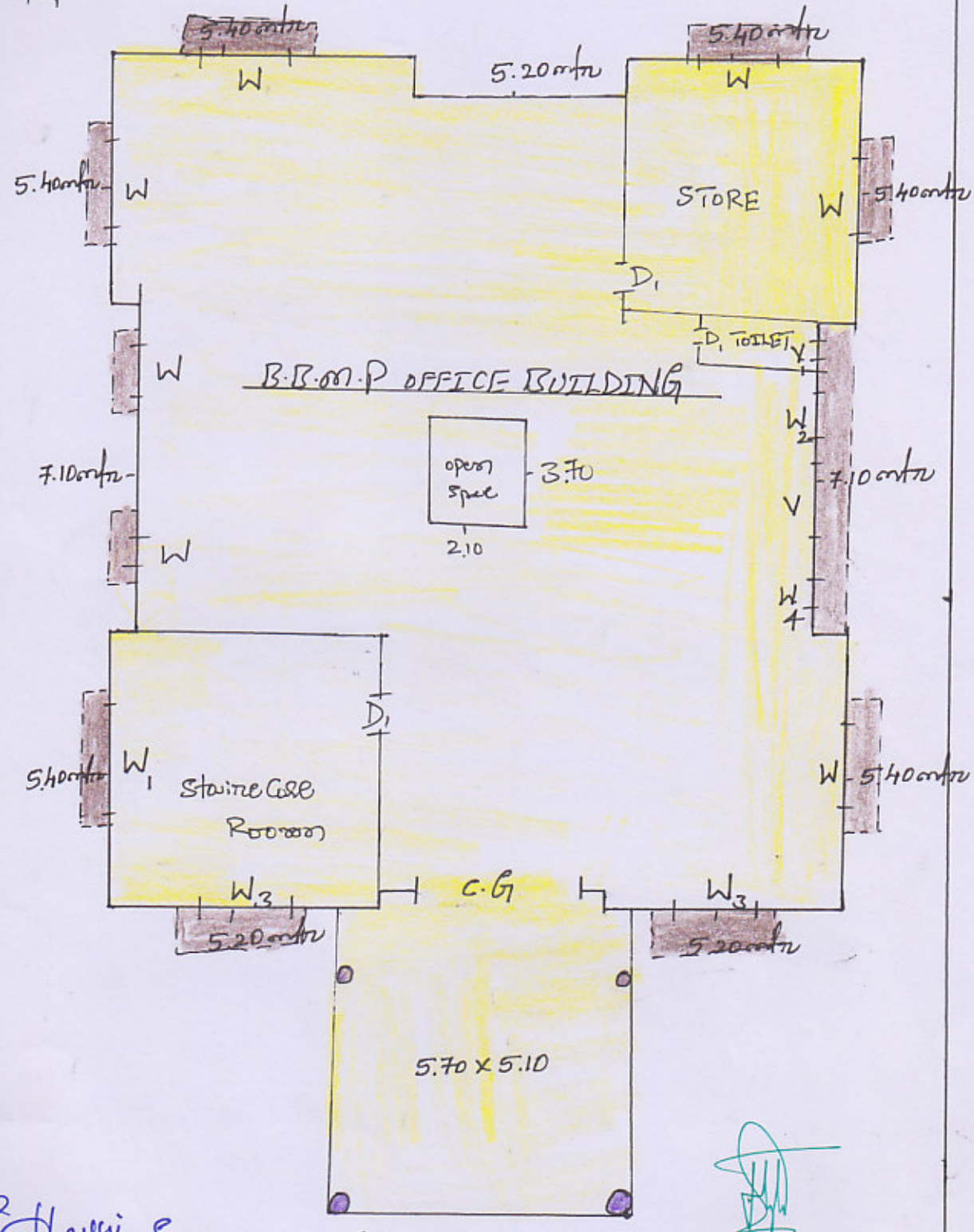
FRONT ELEVATION

GROUND FLOOR PLAN & First floor plan

K.M. Thulasi AE

Name of work :- Maintenance of BBMP office buildings in ward no-04.

Plan showing existing B.B.M.P. office Behind R.T.O. office



GF & FF & SF